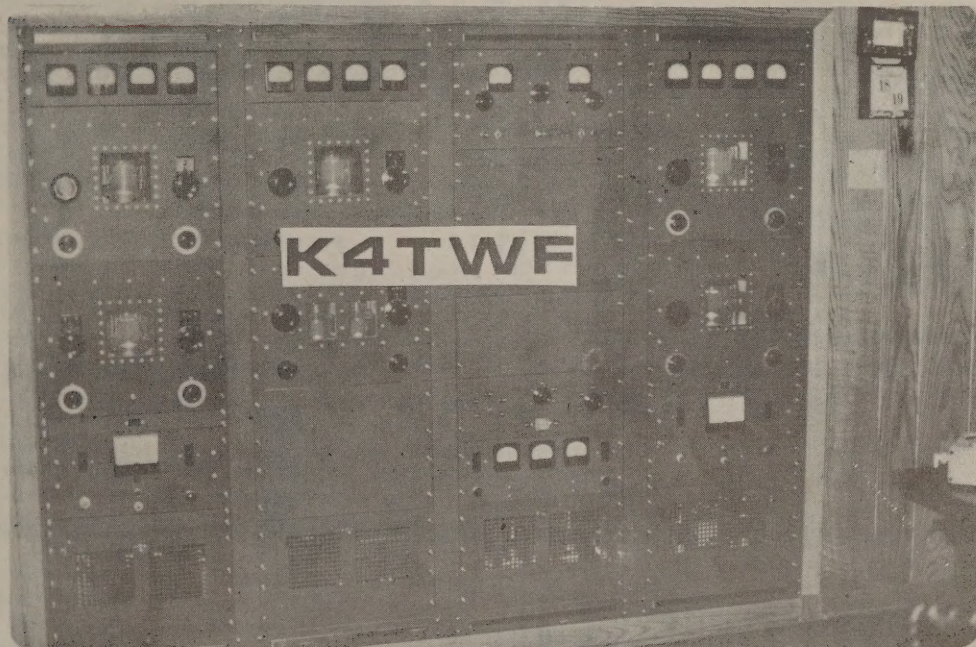


# DX'ERS MAGAZINE

AN OPERATING AID FOR MORE AND BETTER DX - STRICTLY OF INTEREST TO TRUE DXERS

THIS IS WHAT WE CALL OUR "DAYTON HAMVENTION SPECIAL" ISSUE AND WWDXA SPECIAL TOO. IT'S NOT A TYPICAL ISSUE ON ACCOUNT OF THOSE BEAUTIFUL ADS (DX-PEDITION MONEY - YOU KNOW) - I WISH EACH ISSUE HAD THIS MANY ADS IN IT ! IT'S NICE TO BE IN DAYTON AGAIN FELLOWS.

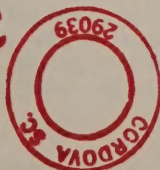


SOME OF THE FINALS AT K4TWF ! EACH ONE EXACTLY 1 KW ! HAL (K4TWF) DON'T WANT TO MISS ANY NEW ONES YOU KNOW AND I

MORE INFO ON THIS STATION IN FOLLOWING ISSUES - WAIT UNTIL YOU SEE THE OPERATING TABLE AND THOSE BEAMS (STACKED - STUFF ON ALMOST EVERY BAND ! AND MUCH, MUCH MORE

*Thanks !!*  
**AIR MAIL**  
*Thia is*  
*Mr. Postman*

AIR MAIL  
U.S. POSTAGE  
PAID 13¢  
PERMIT NO. 1

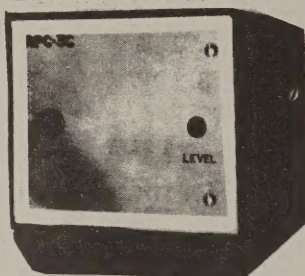


FROM  
THE DXERS MAGAZINE  
DRAWER "DX"  
CORDOVA, S.C. 29039  
U.S.A.

TO



# WHY GO HI PWR? THIS WL DO THE SAME AT LAST A SPEECH COMPRESSOR THAT REALLY WORKS



- LOW DISTORTION CIRCUIT
- 5-10 DB IMPROVEMENT IN TALK POWER
- FULLY WIRED & TESTED NOT A KIT
- SEVERAL MODELS TO CHOOSE FROM
- WORKS WITH PHONE PATCH
- Quality construction includes Silicon transistors, FETs Glass circuit boards
- FULL WARRANTY—ONE YEAR

Performance second to none

Introductory low prices — \$ 20.50 to \$ 34.95

(Illinois add 5% Sales Tax)

Write for specifications  
and information sheets  
( free )

Demonstration Tape  
cassette available  
(\$2.00 deposit)

**R<sub>p</sub> Electronics**  
BOX 1201A  
CHAMPAIGN, ILL.  
61820

## PUBLISHERS NOTICE

Editor/publisher/printer, Gus Browning, W4BPD

SUBSCRIPTION RATES  
U.S.A., CANADA AND MEXICO  
FIRST CLASS MAIL (NOT AIR)

3 MONTHS (MINIMUM) .....	\$ 3.25
6 MONTHS .....	\$ 6.50
12 MONTHS (ONE YEAR) .....	\$ 13.00

VIA AIR MAIL

3 MONTHS MINIMUM .....	\$ 3.25
6 MONTHS .....	\$ 6.50
12 MONTHS (ONE YEAR) .....	\$ 13.00

VIA AIR MAIL

3 MONTHS MINIMUM .....	\$ 3.75
6 MONTHS .....	\$ 7.25
12 MONTHS (ONE YEAR) .....	\$ 14.50

OVERSEAS AIR MAIL RATES

SOUTH AMERICA, CARIBBEAN, CENT. AMERICA	
3 MONTHS (MINIMUM) .....	\$ 6.50
6 MONTHS .....	\$ 13.25
12 MONTHS (ONE YEAR) .....	\$ 26.50

REST OF WORLD

3 MONTHS (MINIMUM) .....	\$ 8.00
6 MONTHS .....	\$ 16.00
12 MONTHS (ONE YEAR) .....	\$ 32.00

THE DX'ERS MAGAZINE  
DRAWER "DX"  
CORDOVA, S.C. 29039

WE ALWAYS NEED AND WILL USE ANY DX  
NEWS YOU CAN SEND US. PLEASE KEEP US  
IN MIND WHEN NEWS BREAK, THANKS

24 HOURS PER DAY TELEPHONE: (803) 534-6485  
ANY DAY, ANY WEEK, ANY MONTH, YEAR AROUND.

*newspaper  
of ham radio*  
FREE SAMPLE COPY  
**Worldradio**  
2509 Donner Way  
Sacramento, Calif. 95818  
WB6AUH-VK9AM



# THE DX'ERS MAGAZINE DX TIDBITS

## CONTENTS OF DX TIDBITS - ISSUE NO 370

### DU1REX - PHILIPPINES

IV0 - VATICAN HOLY YEAR  
K0CGE/HB0 - NEED LIECHTENSTEIN ?  
LU2DZ/4U - UNITED NATIONS NEUTRAL  
ZONE - SUEZ CANAL - NORTH AFRICA  
PA5GIG/A - NETHERLANDS  
W5ZD CALL A MEMORIAL  
4KIF - RUSS. ANTARCTIC STATION  
4S7NE WORKED  
9M2FK - MALAYSIA

### DU1REX - PHILIPPINES

(Tnx to W3QLW) - On April 2nd at 1243 gmt on 14217 mHz., op. Vince; also DU2EL on April 2nd at 1252 gmt on 14226, op. Efren. Both stations were 59t20.

### IV0 - HOLY VATICAN YEAR

(Tnx to W3QLW) - Commemorating Vatican Holy Year. Work 7 and HV3SJ or HV1CN; send 10 IRC or \$ 2.00 to P.O. Box 361, Rome, Italy and you get award. Worked here IV0, CSW, JX, AMO, ZV, VSS, LBK, AMU, SJX, XPS, SSW, WCP, KFJ and HV3SJ. Send log, no QsIs.

### K0CGE/HB0 - NEED LIECHTENSTEIN ?

(Tnx to W0IPW/PJ8AS) - I have K0CGE/HB0 license in possession and will be in country May 9-11th operation - 5 to 10 Kcs inside advanced) General portion of the band. CW transceive only, all bands.

### LU2DZ/4U - UNITED NATIONS NEUTRAL ZONE - SUEZ CANAL - NORTH AFRICA

(Tnx to K4CKA) - Worked Carlos, LU2DZ/4U in the United Nations Neutral Zone-Suez Canal- No. Africa on 12th April at 2231Z on 14215. He had a 5-9t signal and was using, 600 watts P.EP. Wonder if this one has the possibility of being a new country for DXCC or will it count as ISU-Egypt? Any comments? Carlos says that he expects to be on weekends at about the same time and frequency looking for state side qsos. QsIs go Via Box 593316 Miami International Airport, Miami, Fla.

### PA5GIG/A - NETHERLANDS

(Tnx to W3QLW) - Special events celebrating 5 years of school in Denhelder, operator, Jan, 16 years old.

### W5ZD CALL A MEMORIAL

(Tnx to K4CKA) - I worked Ted, W5ZD on 11th April at 1454Z on 14301 KC. Many of your readers will remember "W5ZEBRA Dog" as the call made famous by Hershel F. Rawls of Kingsville, Texas who passed away sometime ago.

I told Ted that I got a snock when I heard someone else using the call and wondered why and how he got it. Hersh's many friends will be interested in what Ted told me. He said that Hersh left a considerable amount of his radio equipment to the Texas A. and I. University in Kingsville, Texas for use in an University Club station.

The club station has been set up at the University as a memorial to Hershel F. Rawls and they were successful in having W5ZD reassigned to them. The operation on 11th April was a part of the Physics Fair at the university. What a fitting memorial to a pioneer in amateur radio. Just thought you & your readers would like to know !

### 4KIF - RUSS. ANTARCTIC STN.

(Tnx to W9EFK) - Qsl via Box 88, Moscow. Was on 7005 April 9th at 0500-0600 gmt.

### 4S7NE WORKED

(Tnx to W2GRR) - I had a 25 minute rag chew with Nelson, 4S7NE on 14016 kHz at 1805Z. He was 559 when he called CQ, but finally faded out at 1830Z. He requests that qsls be sent direct to his callbook address.

### 9M2FK - MALAYSIA

(Tnx to W4BBP) - Qso'd I small on 14025 mHz at 1616 gmt on April 2nd. 599t both ways.

### WWDXA INFO & GENERAL COMMENTS

For those of you who have not heard about our WWDXA (stands for: World Wide DX Association) let me tell you something about what it's all about.

We are trying to organize a DX Association for anyone who chases or listens for DX. An Association whose sole aim is to make the hobby of DXing a little easier, and more pleasurable for the members, to have an organization in which the members know about it's finances and where or when any is spent and to whom it was spent with and why, an organization in which NO ONE can "pocket" one cent, an organization which will keep it's members informed by a monthly magazine & a once per year small booklet listing all the QSL info accumulated during the previous year. (this booklet alone is worth the membership fee of \$ 6.00) and add to this the WWDXA special issue of this magazine which you will receive each month with it's monthly QSL info by WB2FVO and on top of this we hope to put in a DX station every now and then from a rare country or two (as the funds permit) Any large sum we spend will be proposed to the members to be voted on by the membership before it's spent. We had high hopes of having a WWDXA Net going on 14280 to 14290 KHz for the exchange of DX info and having a few DX stations calling in to make things more interesting to everyone. I still have "hopes" of the net materialising one of these days ! Things have been rather "hectic" around this QTH, but, I am gradually getting organized so that I will have time to get on our net frequency (any clear spot between 14280 & 14290 KHz after 2100z daily - or at least a few times each week. I am still looking for a few "faithful, dependable" stations to also act as net control to help me out (or maybe run themselves). How about this some of you fellows who are not so busy like I am ?!

It's time for renewing your membership if you have been in the WWDXA for more than a year - So how about your \$ 6.00 so we can continue sending you your magazine and next December your QSL info booklet, either is worth the \$8.00 membership fee ! + the other help you will be rendering DX and DX'ers. Not a bad deal if you are a true DX'er ! Due to lack of space in this Dayton Special Issue we are leaving out our usual Financial Report, it will be completely covered in next months issue.



IF YOU ARE LIKE ME YOU WANT FAST DELIVERY ON YOUR ORDERS. IF YOU WANT DRAKE GEAR SLEPT ELECTRONICS CAN DELIVER FAST, PHONE BILL SLEPT AT (704) 524-7519 WHAT-EVER YOU ORDER WILL BE ON IT'S WAY - "PRONTO" ! THE ITEMS LISTED BELOW IS IN STOCK FOR OFF THE SHELF DELIVERY, CONTACT BILL AND SEE !

## SLEP ELECTRONICS IS NOW SHIPPING DRAKE DRAKE DRAKE, NEW IN FACTORY SEALED CARTONS

R-4C, AMATEUR HF RECEIVER 160-10 METERS \$549.00  
4-NB, NOISE BLANKER FOR R-4C ..... 65.00  
FL-250, IF FILTER R-4C ..... 50.00  
FL-500, IF FILTER R-4C ..... 50.00  
FL-1500, IF FILTER R-4C ..... 50.00  
FL-6000, IF FILTER R-4C ..... 50.00  
T-4XC, AMATEUR TRANSMITTER 160-10 METERS ..... 580.00  
TR-4C, 80-10 METERS AMATEUR TRANSCEIVER 599.95  
34PNB, NOISE BLANKER FOR TR-4C ..... 100.00  
MMK-3, MOBILE MOUNT FOR TR-4C ..... 7.00  
RV-4C, REMOTE VFO FOR TR-4C ..... 110.00  
AC-4, POWER SUPPLY 110/220V FOR T-4XC, TR-4C AND ALL EARLY MODELS ..... 120.00  
DC-4, 12VDC POWER SUPPLY FOR ALL DRAKE TRANSMITTERS, RECEIVERS, TRANSCEIVERS 135.00  
TR-22C, FM TRANSCEIVER 2 METERS 12VDC 12 CHANNEL, 1 WATT 2 CHANNELS SUPPLIED .52/.52 AND .34/.94. INCLUDES CARRYING CASE NICADS, MICROPHONE, 12 VDC AND 120 VAC CORDS ..... 229.95  
AA-10, 10 WATT 2-METER AMPLIFIER FOR TR-22C AND RE-22 ..... 49.95  
AC-10, 120VAC POWER SUPPLY, INPUT 13.8 VDC AT 3 AMPS POWERS TR-22/AA-10 ..... 44.00  
L-4B, LINEAR AMPLIFIER 2KW PEP 1000 WATTS AM, CW, OR RTTY CLASS B GROUNDED GRID. TWO 3-500Z BROAD BAND TUNED-INPUT FOR LOW DISTORTION AND HIGH EFFICIENCY COMPLETE WITH POWER SUPPLY AND TUBES 825.00

MS-4, MATCHING SPEAKER FOR ALL RECEIVERS AND TRANSCEIVERS ..... 22.00  
W-4, RF WATTMETER 1.8 TO 54MHz ..... 62.00  
WV-4, RF WATTMETER 20-200MHz ..... 74.00  
7075, DRAKE DESK TOP MICROPHONE HEAVY DUTY CERAMIC, 80-7000CPS ADAPTS TO PUSH TO TALK OR VOX. FOR ALL DRAKE TRANSMITTERS, TRANSCEIVERS ..... 39.00  
TV-300HP, HIGH PASS FILTER, PROTECTS TV SET FROM AMATEUR TRANSMITTER 6 THRU 160 METERS ..... 6.95  
TV-1000LP, RATED 1000 WATTS CONTINUOUS TO 30MHz, 200 WATTS ON 6 METERS. SO-239 CONNECTORS EACH END. PREVENTS TVI FROM AMATEUR AND CB TRANSMITTERS ..... 18.75  
MN-2000, ANTENNA MATCHBOX 2KW PEP. BUILT-IN WATTMETER AND VSWR, MATCHES 50 OHM OUTPUT WITH VSWR 5:1. SELECT 3 ANTENNAS BY FRONT PANEL SWITCH 200.00  
DRAKE MANUALS TR-4C, T-4XC, R-4C, SPR-4, 2C, C-4 ..... 4.00  
ALL EARLY MODELS ..... 3.00

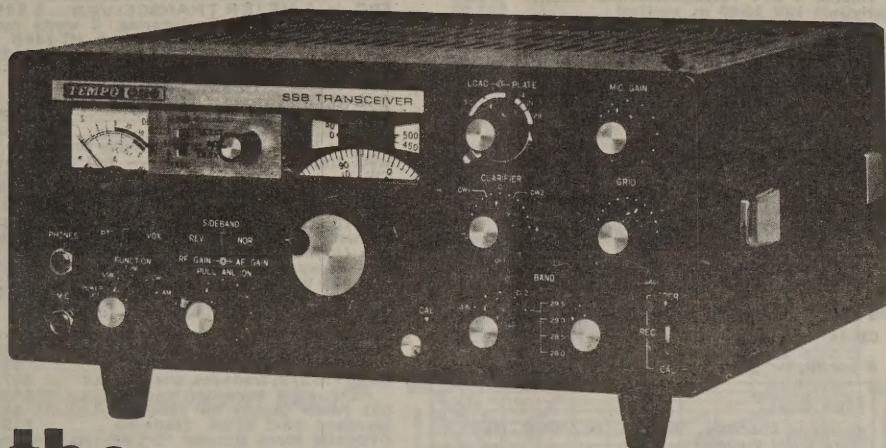
TOP TRADES GIVEN IF YOU HAVE DRAKE, SWAN, COLLINS, HAMMARLUND, NATIONAL AND SBE. ALSO COMMERCIAL TEST EQUIPMENT BY TEKTRONIX, HP, GR AND MILITARY SURPLUS AVIONIC RADIOS AND TEST EQUIPMENT. MILITARY AND COMMERCIAL RADIO RECEIVERS. CASH SAVING BONUS GIVEN TO CUSTOMERS WITH-OUT A TRADE-IN ON ALL PURCHASES ABOVE \$100.00. TELL US YOUR NEEDS. SEND YOUR ORDER TODAY, SATISFACTION GUARANTEED OR MONEY BACK. WRITE OR PHONE BILL SLEP (704) 524-7519.

**SLEP ELECTRONICS CO.**  
P. O. BOX 100, HIGHWAY 441, DEPT. HR  
OTTO, NORTH CAROLINA 28763

SLEP ELECTRONICS CAN AND WILL SUPPLY YOU "FAST", BILL DON'T "FOOL-AROUND". THEY ARE YOUR DRAKE HEADQUARTERS FOR THE SOUTH-EAST (AND WILL SHIP ANYWHERE) SEE THEM NOW



# the new look of a proven performer



## the tempo 'ONE' SSB TRANSCEIVER

*... a proven name, a proven value. Look at the specifications, look at the price tag, ask any of the thousands of Tempo ONE owners about its reliability... and the reason for its unparalleled popularity will be obvious.*

### SPECIFICATIONS

**FREQUENCY RANGE:** All amateur bands 80 through 10 meters, in five 500 khz. ranges: 3.5-4 mhz., 7-7.5 mhz., 14-14.5 mhz., 21-21.5 mhz., 28.5-29 mhz. (Crystals optionally available for ranges 28-28.5, 29-29.5, 29.5-30 mhz.)

**SOLID STATE VFO:** Very stable Colpitts circuit with transistor buffer provides linear tuning over the range 5-5.5 mhz. A passband filter at output is tuned to pass the 5-5.5 mhz. range.

**RECEIVER OFFSET TUNING (CLARIFIER):** Provides  $\pm 5$  khz. variation of receiver tuning when switched ON.

**DIAL CALIBRATION:** Vernier scale marked with one kilohertz divisions. Main tuning dial calibrated 0-500 with 50 khz. points.

**FREQUENCY STABILITY:** Less than 100 cycles after warm-up, and less than 100 cycles for plus or minus 10% line voltage change.

**MODES OF OPERATION:** SSB upper and lower sideband, CW and AM.

**INPUT POWER:** 300 watts PEP, 240 watts CW

**ANTENNA IMPEDANCE:** 50-75 ohms

**CARRIER SUPPRESSION:** -40 dB or better

**SIDE BAND SUPPRESSION:** -50 dB at 1000 CPS

**THIRD ORDER INTERMODULATION PRODUCTS:** -30 dB (PEP)

**AF BANDWIDTH:** 300-2700 cps

**RECEIVER SENSITIVITY:**  $1/2 \mu\text{v}$  input S/N 10 dB

**AGC:** Fast attack slow decay for SSB and CW.

**SELECTIVITY:** 2.3 khz. (-6 dB), 4 khz. (-60 dB)

**IMAGE REJECTION:** More than 50 dB.

**AUDIO OUTPUT:** 1 watt at 10% distortion.

**AUDIO OUTPUT IMPEDANCE:** 8 ohms and 600 ohms

**POWER SUPPLY:** Separate AC or DC required. See AC "ONE" and DC "ONE" below.

**TUBES AND SEMICONDUCTORS:** 16 tubes, 15 diodes, 7 transistors

**TEMPO "ONE" TRANSCEIVER** \$399.00

**AC/ONE POWER SUPPLY** \$99.00

**117/230 volt 50/60 cycle...** \$120.00

**DC/1-A POWER SUPPLY 12 volts DC**

\*Prices subject to import surcharge

11240 W. Olympic Blvd., Los Angeles, Calif. 90064 213/477-6701  
931 N. Euclid, Anaheim, Calif. 92801 714/772-9200  
Butler, Missouri 64730 816/679-3127

# Henry Radio



## IN STOCK, READY FOR DELIVERY

### Antennas TA-33, TA-36, TMS-DXX, etc.

Savoy DGA-2M, 2 meter collinear	\$29.95
Trunk lip bracket for DGA-2M	\$14.95
HyGain 1/4 wave 2M grd plane for fixed station	\$13.00
Hustler 4 BTV Vertical Antenna	\$79.95
HyGain 18V 10-80 m. vertical	\$33.00
HyGain BN86 Deluxe Balun	\$15.95
HyGain 18 AVT/WB 10-80 meters vertical	\$97.00
Newtonics CGT-144 5.2 dB gain. Trunk lip mount	\$39.95
Gold Line Single Pole, 5 position coaxial switch, wall bracket or panel mount, 1 KW AM	\$17.95
Times Wire & Cable, T-4-50, RG-8 foam	28¢/ft.

## Bird

We are official distributors for all Bird products Bird Model 43 Wattmeters with either N or SO239 connectors Write or Call for prices 2 to 30 MHz Slugs. Specify power & Freq. Most VHF Slugs. Specify Power & Freq. Slugs subject to factory availability

## C.D. Ham II Rotator

**New Improved** \$159.95 net **SAVE \$20** **\$139.95**

CD-44 (with your call letters) \$99.95  
8 conductor cable for HAM II or CD-44 16¢/ft.

## IC-230

- 162+ channels, simplex or offset (600 kHz) for repeaters
  - All modular construction
  - Super hot MOSFET/helical coil 4µV rcvr
  - AVAILABLE NOW! . . . only **\$489.00**
- IC-230 Regulated Pwr. Supply \$89.95

## Drake - Official factory distributor

Drake T-4XC	\$580.00
Drake R-4C Receiver	\$549.00
FL-1500, 1500 Hz filter for R-4C	\$50.00
4-NB Noise blanker for R-4C	\$65.00
TR-22C Transceiver	\$229.95
Drake AA-10 TR-22C Amp.	\$49.95
Drake TR-4C Transceiver	\$599.95
Drake AC-4 Power Supply	\$120.00
Drake W-4 Wattmeter	\$62.00
Drake WV-4 Wattmeter	\$74.00

## Specials from Barry

Collins Model 180S-1 Kilowatt Antenna Tuner. Matches various impedances to 50Ω, 3-30 MHz w/vac. variable. reg. price \$750.00 Sale \$295.00  
Sierra Average Reading Termination Wattmeter. Model 185-A-100 FM 30, 100 watts, 50Ω \$125.00  
Astatic D-104 Mike . . . new \$26.10  
Astatic UG-8 Stand for D-104 . . . new \$19.95  
Astatic 531 Ceramic hi-impedance communications mike with switch . . . new \$10.50  
Signal/One CX-7A with 400 Hz & 1200 Hz filters . . . Write  
B & W 334A Dummy Load-Wattmeter 0-300MHz 52Ω, 0-10, 100, 300, 1000 watts \$149.95  
B & W 374 Dummy Load-Wattmeter 0-300MHz, 52Ω 0-15, 50, 300, 1500 watts \$175.00  
Leader — LDM 815 Grid Dip Meter, portable, transistorized, bat. operated 1.5-250 MHz \$99.95

Sockets for 8072, 8121, 8122 \$3.95  
Jackson Bros. var. cap. for VHF 7/9/35 pf. \$5.95  
Pwr. Transformer, 115 VAC or 12 vdc transistor drive, 530 vct @ 100ma \$4.95  
Transistor driver transformer for above \$2.95  
MC Jones Mod. 575.5 SWR MicroMatch N connectors. Uses 200 micro amp meter. New value \$100 — \$24.95

23-347 pF single section for KW transmatch. Johnson 154-10 or equal. Replaces Millen 16520 \$35.00  
Johnson 229-202 18 mH variable inductor 10 to 80M for KW transmatch \$37.00  
Johnson 229-203 28 mH variable inductor 10 to 160M for KW transmatch \$39.00  
EBC Jr. 2 METER TRANSCIVER \$599.00  
HT Kit from VHF Engineering, 2 watts out, 4 channel 2 meter transceiver kit HT-144B w/1 set xtls \$129.95

## SEE BARRY FOR KENWOOD

### OR YAESU EQUIPMENT

B & W Minductors Air-Dux coil stock  
Kenwood TS-520 \$629.00  
Millen 92200 Transmatch . . . Write  
Famous Triton-II by Ten-Tec. Fully solid-state, 200 watt transceiver. 5 bands — full break in on CW \$669.00  
Ten-Tec 262 AC Power Supply with VOX \$129.00  
Millen, Solid State Dipper 1.7-300 MHz Model 90652 \$138.00  
Kenwood R-599a w/2M converter & spkr \$395.00  
Nye (Johnson) 52 ohm low pass filter \$19.50  
Nye Heavy Duty transmitting Key \$9.95  
Nye 275 Watts Matchbox with relay \$212.00

## See Barry for Meters and Capacitors

Deluxe Headsets, Telex and others for ham radio or audio visual: 600 ohms, vinyl cushioned: \$9.99  
With volume control \$11.99  
Clegg FM-27B, trade-ins, checked out \$270.00  
NEW, extra generous trade-in \$489.00  
031 Power Supply for FM-27B \$89.95  
Standard SR-C 826M, Trade-ins \$195.00  
DYCOMM Block Booster "D" Kit, 10-15 watts in 45-55 watts out continuous Sale \$59.95  
DYCOMM Brick Booster "E" Kit, 1-3.5 watts in 12-30 watts out \$59.95  
Mallory UHF Inductuner, covers 50 to 250Mc \$9.95

## Finest SSTV VENUS Latest Models Ready to Operate

SS-2, SLOW SCAN MONITOR - \$349.00  
SS-2K MONITOR KIT - \$269.00  
C1, FAST SCAN/SLOW SCAN CAMERA & CONVERTER - \$469.00

## WE HAVE VIBROPLEX

Regulated Pwr Supply 5-50 vdc, steps of 5v 50ma, 150ma, 500ma, 1.5 amp with meter. Same circuits & parts as Heath IP-27 good \$59.95  
10 Volt Fil. Transformer, herm. sealed, 115 V 50/60 cps, 11.2 vct, 31 amp. 6H x 5 x 5 \$14.95  
Hammarlund Dual Section 320/320 per section Xmit'g Capacitor \$24.95  
B & W 850A PiNet Band switching inductor for 4-1000A, etc. \$66.75  
B & W 852 for 3-1000Z, 4CX-1000A \$66.75  
CONSTANT VOLTAGE TRANSFORMER. Input 115 VAC @ 60 Hz output, 24 Volts @ 15 amps regulated (plus or minus 1%) requires 6 mfd. 660 VAC capacitor add \$4.95 \$60 value \$14.95 ea.  
See Barry for thousands of unadvertised specials

## NPC POWER SUPPLIES

115 VAC Input - 12 VDC 4 amps out \$29.95  
Same as above but regulated \$47.95  
Model 108R — 115 VAC/13.6 VDC 8 amps continuous 12 amps surge. Regulated \$69.95

BARRY BUYS UNUSED TUBES Send Your List. Tube Headquarters. Diversified Stock. Heavy Inventory of Eimac tubes, chimneys, sockets, etc. 3-500Z or 3-400Z Specify \$50.00  
572-B \$22.50  
Tubes for worldwide and domestic, commercial service.

**BARRY** 512 Broadway NY, NY 10012  
**ELECTRONICS**  
212-WA-5-7000



# THE DXERS MAGAZINE PROPAGATION PREDICTIONS

COMPUTED BY: LEE C. VOGEL/WB8IUH

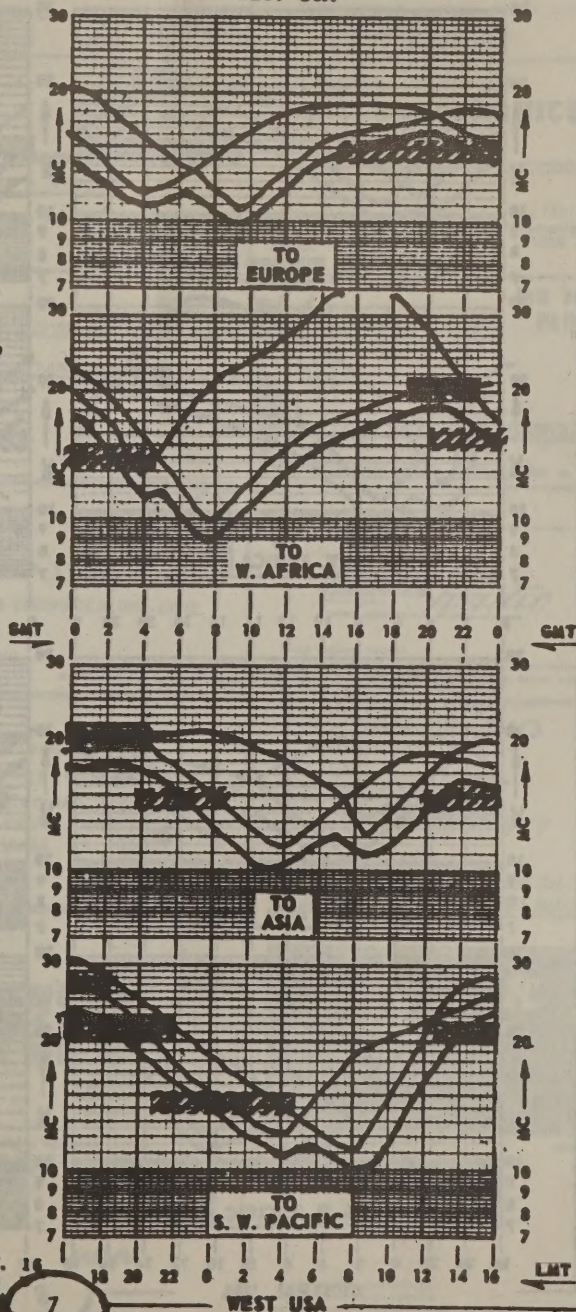
FOR THE MONTH OF MAY 1975

ACCORDING TO THE EXPERTS THE  
SUNSPOT ACTIVITY IS STILL

DECLINING (SEE OPPOSITE SIDE!)

SO IT WILL PROBABLY BE NEXT YEAR  
BEFORE WE SEE SIGNIFICANT BAND  
OPENINGS ON 10-15.

WEST USA



BEST TIMES

10M |||||

15M [X][X][X]

20M [X][X][X]

40M [X][X][X]

$\hat{R} = 20$

L.M.T. 16

7

LMT



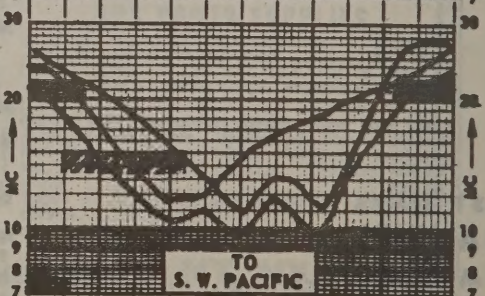
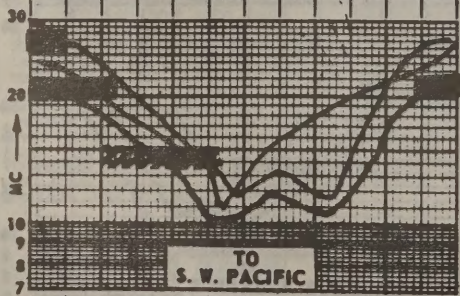
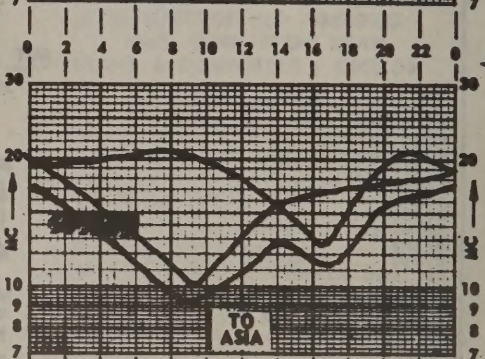
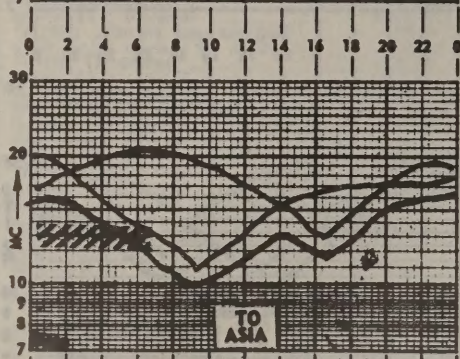
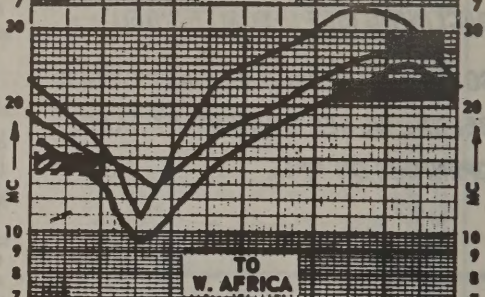
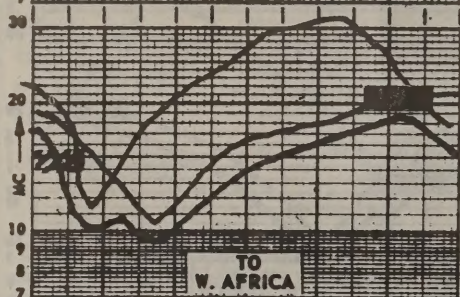
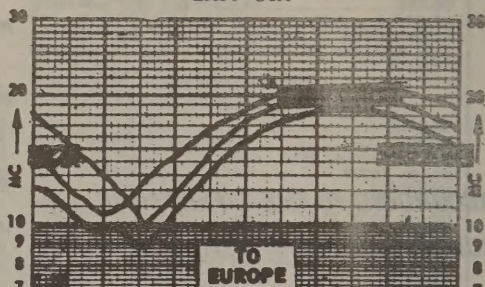
# THE DXERS MAGAZINE PROPAGATION PREDICTIONS

COMPUTED BY: LEE C. VOGEL/WB0IUH

BEST TIMES AND BANDS for DX

CENTRAL USA

EAST USA



18 20 22 0 2 4 6 8 10 12 14 16 18

19 21 23 1 3 5 7 9 11 13 15 17 19

CENTRAL USA

EAST USA



Send SASE  
for monthly  
listing of used  
equipment

DAVID G. FLINN  
AMATEUR RADIO W2CFP

CFP ENTERPRISES  
888 RIDGE ROAD  
LANSING, NEW YORK 14088  
24-HOUR PHONE: 807-533-6857

Specializing  
in two meter FM  
for that "intercom  
net"



JOHN KNIGHT

W5YY  
4710 VIRO ROAD  
LA CANADA, CALIFORNIA  
91011

CAPTAIN  
UNITED STATES NAVAL RESERVE  
(RETIRED)

TELEPHONE  
(213) 790-1086

WANTED: An opportunity to quote  
your ham needs. 33 years a ham  
gear dealer. Hy-Gain, Cushcraft,  
Mosley, Telrex, Kirk, Wilson, A/S.  
Collins, Drake, Galaxy, Ten-Tec,  
Hallicrafters, Tempo, Regency,  
Clegg, Tri-Ex, Rohn, etc., etc.  
Chuck, W8UCG

ELECTRONIC DISTRIBUTORS, INC.  
1960 PECK STREET  
MUSKEGON, MICHIGAN 49841  
PHONE 726-3196



WAZ  
DXCC  
EX-K2SUX

NORTH JERSEY DX ASSOCIATION  
ARNOLD B. FREEMAN

W2YD

15 KARLA DRIVE  
WHIPPANY, N.J. 07981

DX ENGINEERING

W6VPH - WA6QHN

1050 EAST WALNUT  
PASADENA, CA.  
PH: (213) 795-6242

R<sub>P</sub> ELECTRONICS

QUALITY COMMUNICATIONS ACCESSORIES

ROGER P. RIES  
"FLIP"-W9FTU

Box 1201  
Champaign, Ill.  
61820

ALAN McMillan W0JJK

(712) 323-0142



AMATEUR RADIO EQUIPMENT

Box 864, Council Bluffs, Iowa 51501

COLLINS TOUCH-UP PAINT SPRAY  
KITS AVAILABLE, 5-LINE & KWM.

CA GUTMAN ASSOCIATES

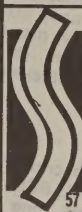
TECHNICAL SALES REPRESENTATION

MAURICE R. GUTMAN  
W2VL

P. O. BOX 800  
OCEANSIDE, N. Y. 11572

516-536-0320

tom auger  
WA1KLO



the SOLSTAT company

57 glenwood avenue • portland, maine • 04103

NATIONAL ELECTRONIC SUPPLY

INDUSTRIAL ELECTRONIC SUPPLY

MARTIN B. HARTSTEIN  
NATIONAL SALES ENGINEER  
W2BNVV

P.O. Box 15015  
LONG BEACH, CA 90815

TELEPHONE  
(213) 597-7010

516-589-6800

MEGADATA

COMPUTER & COMMUNICATIONS CORP.

ROBERT R. RICHARDS  
President  
K2SWP

35 ORVILLE DRIVE  
BOHEMIA, NEW YORK 11716

11240 W. OLYMPIC BLVD.  
LOS ANGELES, CALIF. 90064

BUTLER, Mo.

HENRY Radio  
125 WEST WARD  
"WORLD'S LARGEST DISTRIBUTORS OF SHORT WAVE RECEIVERS"

WALT HENRY - W6ZM  
714 772-9200  
213 430-7997

331 N. EUCLID STREET  
ANAHEIM, CALIF. 92801

WORLD'S LARGEST INDEPENDENT  
HAM MAGAZINE

Home of  
WORKED THE WORLD CERTIFICATE

ENTERTAINING FUN TO READ

\$15 - 3 years, \$16 overseas

Peterborough NH 03458

73

magazine  
for radio amateurs

73/DX and 88's de

T12BEV-ZF1VW-ZF1YL

Bev & Carole Cavender

QSLs: K4VW, Box 1083

Lake Placid FL 33852

PAYNE RADIO

DISTRIBUTOR FOR

signal/one

ALPHA SEVENTY

ON PAYNE, K4ID

Box 525

Days (615) 384-557

pringfield, Tenn. Nights (615) 384-564

CHITTENANGO, N.Y.

W2GA

DONALD L. FARRELL

W3FU

America's fastest growing amateur magazine.

ham  
radio  
magazine

Greenville, New Hampshire 03048

RCA Communications Systems  
1901 North Moore Street (Arlington, VA 22209  
Tel: 703 + 558 + 4612  
Stuart F. Meyer Manager, Government Relations

W2GHK

RCA

TED SMITH-K9SKR EDWARD ROLSTON-W9WAW

AN-TEK  
INDUSTRIES

UHF/VHF ANTENNA SPECIALISTS

P.O. BOX 194  
GOSHEN, IND. 46526

W6ATC

HARRY S. GARTSMAN  
PRESIDENT

ALVARADIO INDUSTRIES  
2105 COLORADO AVENUE  
SANTA MONICA, CALIF. 90404

870-0218



When you want  
an authoritative,  
up to date,  
complete,  
reference

**QTH**

It's the **CALLBOOK**

and

**you know it**

The U.S. and DX Editions lists  
licensed radio amateurs throughout  
the world plus many other valuable  
features including maps, charts &  
tables all designed to make your  
operating more efficient and more  
fun.

**PLUS**

New this year!  
A special subscription service of  
one basic **CALLBOOK** plus three  
service editions, one issued every  
three months to keep you com-  
pletely up-to-date for less than half  
of the cost of purchasing four com-  
plete **CALLBOOKS** as before. You  
save money — you stay better  
informed.



See your  
favorite dealer  
or Send today to

(Mail orders add 25¢ per **CALLBOOK**  
for postage and handling)

WRITE FOR  
FREE  
BROCHURE



RADIO AMATEUR  
**callbook** INC

925 Sherwood Drive  
Lake Bluff, Ill. 60044

## The "STANDARD" by Heights

Light,  
permanently  
beautiful  
**ALUMINUM**  
towers

THE MOST  
IMPORTANT  
FEATURE OF  
YOUR ANTENNA  
IS PUTTING  
IT UP WHERE  
IT CAN DO  
WHAT YOU  
EXPECT.  
RELIABLE DX —  
SIGNALS EARLIEST IN  
AND LAST OUT.

### ALUMINUM

Self-Supporting

Easy to Assemble  
and Erect

All towers mounted  
on hinged bases

Complete Telescoping  
and Fold-Over  
Series available

And now, with motorized options, you can  
crank it up or down, or fold it over, from  
the operating position in the house.

Write for 12 page brochure giving dozens  
of combinations of height, weight and wind  
load.

Contact your Heights dealer, or if necessary  
contact the factory at address shown below.  
"Heights is the worlds best towers, bar none"

## HEIGHTS MANUFACTURING CO.

In Almont Heights Industrial Park  
Almont, Michigan 48003



# 10 METER INFO PAGE

Editor: Sandy Roman, WB4SRX

ADDRESS: 236 CLOVER LANE, LOUISVILLE, KY. 40207

FOR FASTER PASSING OUT TEN METER NEWS PLEASE SEND "DIRECT" TO ME

This time I must start out with an apology, to Ron WA3ATX. He was nice enough to send me info, and today I rcvd the letter back, from the post office saying the address was wrong. Guess what it was.

The info is late but you will still see that there is activity.

Seems Ron likes contesting and also did right well on the Ten mtr portion of it. For the sake of space I will omit some entries from his log and stick with the Juicy ones. Starting off he hit the coast of Africa, with a very nice 5-9 rat cant beat that.

A2GGY	Feb 15	28500-----28600 KC,s
Z86FN	"	"
CR7JG	"	"
CR6GA	"	"
CR4BS	"	"
6W8FP	"	"
3B6CV	"	"
9J2WR	"	"

After pretty well cleaning up the Africans he decided to move to the coast of South America. Here I see he picked up one, I needed also until a couple weeks ago. Liked to never have found address.

8P6DW	Feb 15	28500-----28600 KC,s
FT0 BHI	"	"

Moving on to the CW portion he found EL2FT VR1AA FK8BV FT7AA PJ8AS VK2EO.

Ron uses quite an impressive set up. Going from Collins to Drake. Antennas follow suit from 33 ft to 70 ft. 40 Mtr gp 33 ft 80 mtr dipole at 60 ft, 4 el 20 mtr 50 ft 40 mtr 3 el Kirk yagi 50 ft, with a 4 el tne mtr at 70 ft and finally a 15 mtr yagi at 62 ft. As you can guess he has more than a city lot hi.

Ron even found time for the extra license also.  
Thanks Ron. Sorry abt delay.



"WHEN TEN IS OPEN THE WORLD IS IN YOUR HAND"

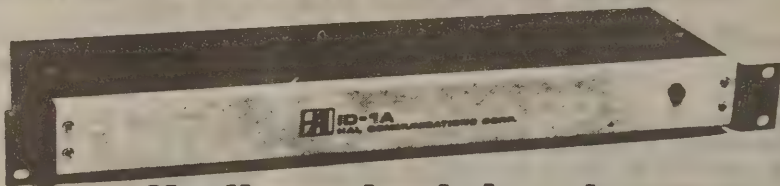
KEEP ME IN MIND WHEN YOU HAVE ANY 10 METER INFO.

Thanks, Sandy



# THE DX'ERS MAGAZINE

## The ID-1A isn't much to look at.



## Until you look into it.

The HAL ID-1A repeater identifier was designed and engineered for commercial service, in compliance with FCC identification requirements. But its price is so attractive that radio amateurs interested in FM are buying it, too.

The heart of any repeater identifier is its Read-Only-Memory. And inside the HAL ID-1A is a unique ROM — one you can easily re-program yourself, should you need to change the call sign. The ID-1A's ROM capacity holds 39 dots, dashes and spaces — enough for "DE" plus the call sign. But there's a lot more inside the ID-1A than that. TTL IC's are used for high noise and temperature immunity. Accurate timing is assured from the 60 Hz VAC line

source, or an internal oscillator — when the unit is operating on 12 VDC. And there's a wide selection of ID time intervals available to you (the factory-assembled set is programmed for 3, 6, 12 or 24-minute ID intervals). Code speed is adjustable. The keyed audio oscillator includes volume and tone controls, with a low-impedance output for driving the transmitter microphone line and a 2" monitor speaker. And there's a rugged transistor switch to actuate the transmitter keying relay or other controller.

The HAL ID-1A is available factory assembled for \$115 or as an assembled board/kit, including all parts external to the board except the cabinet for \$75. Look

into it. Better yet, order yours today.



HAL Communications Corp.  
Box 365, Urbana, Illinois 61801  
Telephone: (217) 367-7373

- ☐ Enclosed is \$ \_\_\_\_\_ (Assembled)  
\$ \_\_\_\_\_ (PC Board/Parts)  
Call letters \_\_\_\_\_ I.D. Interval \_\_\_\_\_ min.  
☐ Charge Master Charge # \_\_\_\_\_  
☐ Charge BankAmericard # \_\_\_\_\_  
M/C Interbank # \_\_\_\_\_  
Card Exp. date \_\_\_\_\_  
☐ Please send me the HAL catalog.

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

All prices include U.S.A. shipping.  
Add \$3 for air shipment.  
Illinois res. add 5% sales tax



AFTER RUNNING THE CALLING CARDS ON PAGE 9 FOR YEARS, IT IS NOW NECESSARY TO START ANOTHER CALLING CARD PAGE. THIS IS THE BEST WAY I KNOW OF TO KEEP YOUR NAME OR COMPANY EXPOSED TO THE TOP DX'ERS OF THE WORLD — AND AT A VERY REASONABLE PRICE. ONLY \$ 5.00 PER MONTH (NO ADS FELLOWS !) ONLY CALLING CARDS PSE !

**WB2EZG**

73 to all de Vince

73 & DX to all

**W2LNI**

"Barry"

(Barry Electronics)

the only publication listing licensed radio amateurs  
throughout the world... Since 1920

Radio  
Amateur **callbook, inc.**

Send for FREE Catalog

925 SHERWOOD DRIVE  
LAKE BLUFF, ILLINOIS 60044

73 de  
**W1BB**

**160**

STEWART S. PERRY  
36 PLEASANT STREET  
WINTHROP, MASS. 02152



# First Family



varian

13



# THE DX'ERS MAGAZINE

DX HEARD AND WORKED RECENTLY

XXXXXXXXXXXXXXXXXXXX - 7000 TO 7300 KC CW - XXXXXXXXXXXXXXXXXXXXXXXX

CALL SIGN	-FRQ	-GMT	-DATE	-BY WHO	- R E M A R K S
YV4SN	7004	0055	4/3	W0EFK	-
CO5DM	7007	0057	4/3	"	-
YV1ACT	7022	0058	4/3	"	-
PY6WL	7024	0059	4/3	"	-
OK30KFF	7018	0425	4/3	"	-
FM7WU	7019	0430	4/3	"	-
OA4AHO	7015	0450	4/3	"	-
CO7SG	7020	0505	4/3	"	-
ZL2AUS	7006	0507	4/3	"	-
XE1FR	7010	0520	4/3	"	-
PY7AZL	7008	0522	4/3	"	-
ZL1JF	7005	0902	4/3	"	-
ZL2ANK	7001	0910	4/3	"	-
YV4BE	7004	0215	4/4	"	-
HK3BAE	7008	0220	4/4	"	-
CO5JZ	7006	0225	4/4	"	-
XE1PZ	7006	0225	4/4	"	-
CO6FA	7009	0226	4/4	"	-
PY2GSG	7021	0227	4/4	"	-
PY5AGE	7003	0228	4/4	"	-
UK5WAC	7003	0228	4/4	"	-
CT2ZQ	7008	0015	4/5	"	-
LU2DFX	7001	0415	4/5	"	-
XE1BP	7002	0417	4/5	"	-
PY2FFA	7002	0418	4/5	"	-
UK1QAM	7005	0420	4/5	"	-
CO7SG	7016	0421	4/5	"	-

XXXXXXXXXXXXXXXXXXXX - 14000 TO 14100 KC CW - XXXXXXXXXXXXXXXXXXXXXXXX

XE1FR	020	1615	3/26	"	-
XE1EL	020	1615	3/26	"	-
OK30KFF	020	1615	3/26	"	-
OK30DKR	011	1618	3/26	"	-
UB5MDL	011	1618	3/26	"	-
DK2AY	018	1619	3/26	"	-
LZ1KPV	032	1623	3/26	"	-
UA4LBA	051	1627	3/26	"	-
UA0WAP	082	1630	3/26	"	-
DK6BW	076	1635	3/26	"	-
EA4CR	052	1635	3/26	"	-
GC5BLG/P	050	1638	3/26	"	- Qsl DJ5UA
UP2CY	045	1640	3/26	"	-
HA8KZB	027	1940	3/26	"	-
DJ3UM	006	1945	3/26	"	-
EA9EO	015	2020	3/26	"	-
VP5CW	014	2021	3/26	"	-
HK0BKX	017	2030	3/26	"	-
GM3ITN	013	2040	3/26	"	-
G6ZO	013	2045	3/26	"	-
SK2DR	020	2100	3/26	"	-
JA5PL	034	2310	3/26	"	-
KA2AD	032	2312	3/26	"	-
HA8KZB	018	1442	3/28	"	-
DJ8LF	049	1434	3/28	"	-
DK6AP	054	1535	3/28	"	-
I1PRB	057	1437	3/28	"	-
UK2GW	063	1440	3/28	"	-

-Con't on page 21



# WWDXA QSL INFO

by: **WB2FVO, Bill Inkrote— Edited & Tabulated**

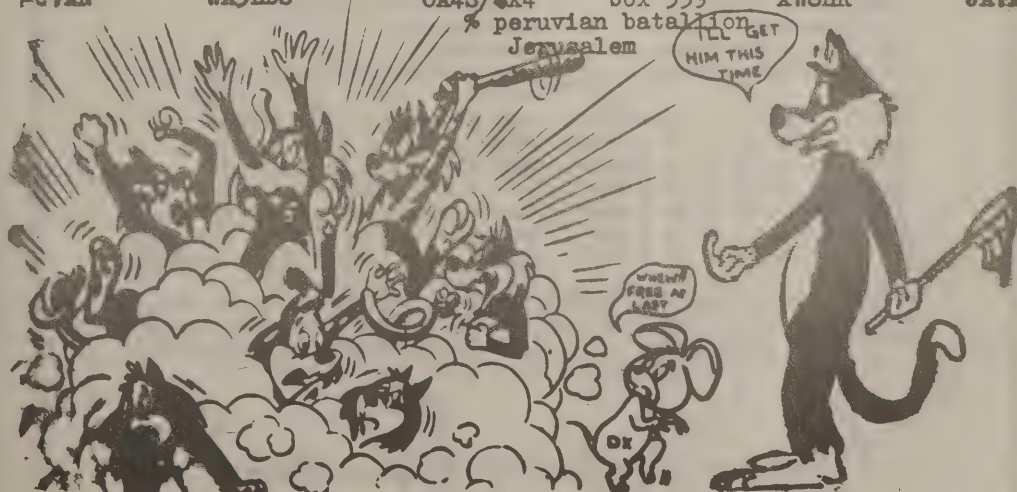
TO SPEED UP PUBLICATION OF QSL INFO SEND DIRECT TO ME AT THIS ADDRESS:

52 ELLIOT PLACE, EDISON, NEW JERSEY - 08817 U. S. A.

Well here it is, another month and a few more to list. Been getting a few letters from you, but from most of you all I hear is the QPN and no signal getting thru. It doesnt take long, and sure doesnt cost much. drop a line and let me know what you guys hear, or take me aside and let me know on tha air as Sandy W2GRR did. I got a little help from the other side of the pond. Brian, SWL BRS-33915 sent a nice letter, and said that he will keep me up to date. so why not you?

Station	QSL via	Station	QSL via	Station	Qsl via
A4XFP	Box 248 Muscat	FG0BKZ	F6BBJ	OD5JJ	W3HNK
A4XFX	Seeba Airport	FH0RX	DJ9ZB	P29FV	K6ZDL
	Comm Dpt OMAN	FL8HM	W4SKI	P29RJ	JH3HPX
C31IL	WA9INK	FI0JN	I8JN	PY1CZL	W3HNK
C31LH	K6BR	FM7AQ	I2YAE	PY2FXU	bx22 Sao
C5AG	ZD3G	FY7AA	F5QQ	PY0ZAE	PY1ZAE
C5AR	G3LQP	FY7AK	K3BSY	SU1MA	(Note 2)
C6ADF	VP7DF (new cl)	FY0BHI	F5QQ	ST2AY	(Note #3)
CN8DX	Box 120 Rabat	HA104UA	HA5EKN	TA2SC	WA3HUP
CO5CP	Mantanea bx 67	HH2WF	W3HNK	TL8LI	F6BFH
BO5FS	" Bx 4	HK4COK	bx 4418	TN2DD	K2QHT
CO5JZ	" BX 4		Medellin	VP2A	W5NQP
CR4BO	Box 23	HK0BKX	WA6AFH	VP2EEC	K2FJ
CR7BF	Bx120 Nampula	HP1AH	Bx869	VP2LA	VE3TL
CR7WD	W3YY		Pan cty	VP2LAW	bx91 st.
CT1FL	W3HNK	HV3SJ	W6KNH	VP2MRA	VE8RA
CT1PC	W3YY	IC8EGO	bx18 Capri	WA9EZV/KG6	KG6 buro
EA7VN	Bx479 Sevilla	JX2HX	LA3JQ	XT2AJ	F5LC
EP2DB	W3KT** (note 1)	JY9FOC	G2IO	XV5AC	W1YRC *
EP2DO	KL7BJW	KH6GI	W3HNK	XV5AC	K4ASI *
EP2MJ	G3HXV	KS6FF	W6KLJ	XW8GV	W3HNK
PC7AN	WA3EDS	OA4S/8X4	box 339	XW8HR	JA1XMS

% peruvian batalion  
Jerusalem

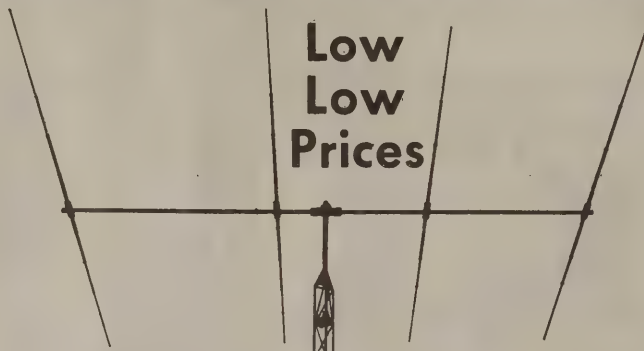




*Wilson  
Electronics*



## WILSON 204 MONOBANDER



The Wilson 204 is the best and most economical antenna of its type on the market. Four elements on a 26' boom with Gamma Match (No balun required) make for high performance on CW & phone across the entire 20 meter band.

The 204 Monobander is built rugged at the high stress points yet using taper swaged slotted tubing permits larger diameter tubing where it counts, for maximum strength with minimum wind loading. Wind load 99.8 lbs. at 80 MPH. Surface area 3.9 sq. ft., Weight 50 lbs., Boom 2" OD

All Wilson Monoband and Duoband beams have the following common features:

- Taper Swaged Tubing
- Full Compression Clamps
- No Holes Drilled in Elements
- 2" or 3" Aluminum Booms
- Adjustable Gamma Match 52  $\Omega$
- Quality Aluminum
- Handle 4kw
- Heavy Extruded Element to Boom Mounts

- |                                       |  |
|---------------------------------------|--|
| • M204 4 ele. 20, 26', 2" OD \$109.00 | • M340 3 ele. 40, 40', 3" OD \$349.00            |
| • M203 3 ele. 20, 20', 2" OD \$ 79.00 | • M240 2 ele. 40, 16', 3" OD \$199.00            |
| • M155 5 ele. 15, 26', 2" OD \$109.00 | • M520 5 ele. 20, 40', 3" OD \$189.00            |
| • M154 4 ele. 15, 20', 2" OD \$ 79.00 | • M715 7 ele. 15, 40', 3" OD \$149.00            |
| • M105 5 ele. 10, 20', 2" OD \$ 69.00 | • DB45 4 ele. 15, 5 ele. 10, 26', 2" OD \$119.00 |
| • M106 6 ele. 10, 26', 2" OD \$ 89.00 | • DB43 4 ele. 15, 3 ele. 10, 20', 2" OD \$ 99.00 |
| • M104 4 ele. 10, 17', 2" OD \$ 49.00 | • DB54 5 ele. 20, 4 ele. 15, 40', 3" OD \$209.00 |

All Wilson Antennas are FACTORY DIRECT ONLY! The new low prices are possible by eliminating the dealer's discount. All antennas in stock. If you order your antenna during March you may purchase a CDR Ham II for \$125.95 or a CDR CD44 for \$84.95. Order by Phone, COD. All 2" Boom antennas shipped UPS or PP. 3" by truck.

*Wilson Electronics Corporation*

P. O. BOX 794 HENDERSON, NEVADA 89015

702-451-5791

# WWDKA QSL INFO

by: **WB2FVO, Bill Inkrote— Edited & Tabulated**

TO SPEED UP PUBLICATION OF QSL INFO SEND DIRECT TO ME AT THIS ADDRESS:

52 ELLIOT PLACE, EDISON, NEW JERSEY - 08817 U. S. A.

YN4FOC  
YS1JWD  
ZB2USA  
ZFAAZ  
ZFAAU  
ZFI1DU  
ZFI1JH

K8ONV  
W3HNK  
W9JVF  
B-500 GCI  
W1ABTC  
W2BVN  
WA6VNR

8W1GM  
4S7UD  
5H3JR  
5H3KG  
5T5ZR  
5Z4RT  
6W8EX

W3HNK  
JA1OJB  
W2SNM  
I1INC  
bx 202 Nouakchott  
DJ9ZB  
bx 971 Dakar

6Y5NY  
9G1AR  
9G1GE  
9H3P  
9K2AU  
9V1SV

WB6PYI  
Bx194 Acra  
G3USE  
G4JA  
W3KT \*\*1  
W7PHO

- Notes:
- 1 W3KT is not a QSL manager, but runs a QSL forwarding Svc. QSL via him should go at the going rate. Write him for Details.
  - 2 SU1MA46 Omar Ibn, El Khittab St. Heliopolis, Cairo
  - 3 ST2AY 4142 C.P.O. Khartoum
  - 4 W1YRC no longer handle XV5AC, now via K4ASI

Well that is all for this month, been quite busy here, so I couldn't dig up as many as I would like to. So if you want this column to be full, it will have to depend on what you send me. I have just about exhausted my pile of info, so if you want some, send some.

My thanks again to Joe W0EFK, and Brian BRS-33915 for their help and info, also to Sandy W2GRR for the info given to me in our QSO.

One thought. When QSLing a DX station, you get faster results, and more QSL return if you use a few US commemorative stamps on your letter that you send than if you use only one US air mail stamp. lots of us are stamp diggers.

May your next QSO be QRM free,

73





# THE DXERS MAGAZINE

## THE 160 METER PAGE

Edited & Prepared by: W1HGT RALPH GREEN

3 CORMAN ROAD, BOSTON, MASSACHUSETTS 02128 - U. S. A.  
(SEND REPORTS DIRECT TO ME, WILL GET PUBLISHED MUCH MORE QUICKLY-THANKS)

160 METER DX DISTANCE RECORDS: G. Watts' Newsletter records the following as the five longest QSO's: G6GM/ZL3GQ 11940 miles; G6GM/ZL3RB 11902 miles; G6CJ/ZL3GQ 11805 miles; G6CJ/ZL3RB 11781 miles; and EI9J/ZL3GQ 11764.

● HOWY, W2QHH, still has some 160 mtr crystals for the asking. Details from Howy (Mr. H. S. Bradley, 66 Leb. St., Hamilton, N.Y. 13346 USA).

CONGRATS to Fred, W9SZR/3 (also LU5HFI, HI8XAL, etc.) on being awarded The Foreign Service Award For Valor from U.S. Secretary of State Kissinger

● MORE GOOD 160 METER ARTICLES RECENTLY: Among them, W1BB's article in the March issue of Worldradio News; a 160 mtr transmitter article in April 73 Magazine; the Ten Tec article on page 38 in the April issue of QST; and also in the same QST an article on loop antennas by Nose, KH6IJ.

● CONGRATS to Wal, WB8APH, on his recent 160 mtr 2x SSB WAC. Believe this is the third SSB WAC ever issued on 160.

● FO/TAHITI: Gene, W4BRB, reports that W6VAP will start operating from Tahiti as FO/VAP for one month starting in mid-April. FO/VAP will be active on all bands, including 160! He will be using a transceiver, so you must answer on or close to his calling frequency: 1805 to 1808 kHz.

● RAY, JY9FOC, has been quite active lately; mostly at his sunrise time of about 0245 GMT. His frequency is 1826.5 kHz.

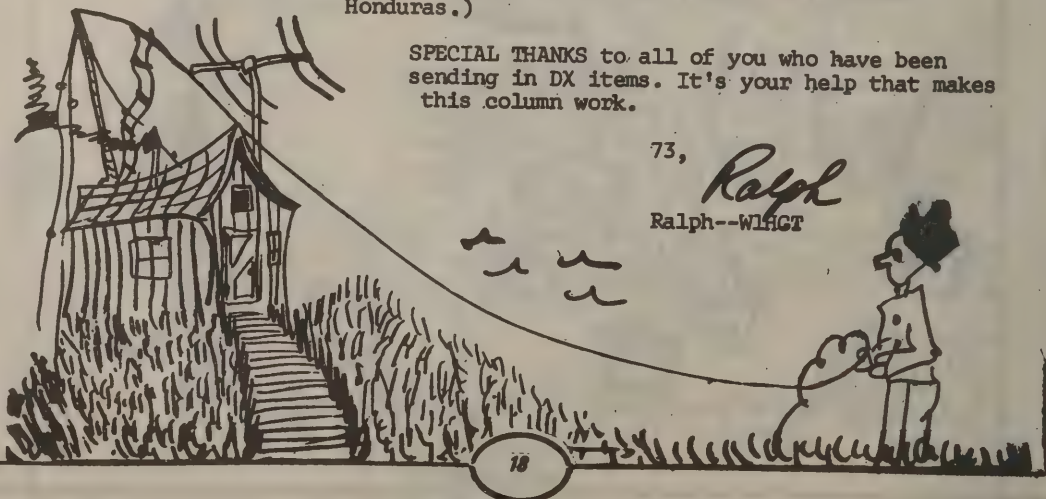
● If you need KH6 (or Oceania) Jack, KH6CHC, is on each weekend at sunrise in the "Mainland". Jack puts through an excellent signal on 1997 kHz.

● JOHN, VPIFF, recently appeared on 160. He was operating on 1804 and QSOing stations on or near his frequency. His signal peaked here about 0330 GMT. QSL direct to : Mr. John Vokolek, P.O. Box 8000X, Corozal, Belize. (Belize was formerly known as British Honduras.)

SPECIAL THANKS to all of you who have been sending in DX items. It's your help that makes this column work.

73,

Ralph  
Ralph--W1HGT



# THE DX'ERS MAGAZINE

## **signal/one** ... for those who demand the finest



*the completely new*

## **MODEL CX-11** ... *Deluxe Integrated Station*

### *Many New Features*

New solid state broadband linear power amplifier 10-160 meters. 150 Watts DC output — requires no tuning, operates into any VSWR.

New concept front-end design — utilizing double active balanced mixers for unmatched sensitivity, blocking and cross-modulation rejection.

Solid-state modular construction utilizing gold-plated, pins and plug-in sockets for all transistors, IC's, and circuit board connectors.

Five Bandwidths of selectivity are standard — 2.4, 1.5, 1.0, .4, .1 kHz.

Peak notch filter with adjustable frequency notch depth and Bandwidth controls.

RTTY narrow and wide shift FSK-LSB.

Built-in electronic Keyer with independent speed and weight control and partial or full dot memory.

Built-in Power Supply completely self-protecting — both thermal and current overload, integrated circuit controlled.

New six-digit frequency counter utilizing new 1/2 inch LEDs optimized for a non-blinking, stable display.

### ADDITIONAL FEATURES

Dual VFO's for transceive, split operation, or dual receive.

Adjustable IF shift.

Receive or transmit offset tuning.

Push Button spotting.

Adjustable R.F. clipping.

Instantaneous break-in CW.

Built-in Wattmeter.

Built-in noise blanker.

Adjustable R.F. power output.

Pre-IF, adjustable noise blanker.

## Now in production at \$2900

Distributed by

### **PAYNE RADIO**

BOX 525, SPRINGFIELD, TENNESSEE 37172  
Phone seven days and evenings 615-384-2224

For a brochure, personal service and a top trade on your gear contact Don Payne, K4ID.

Contact the factory for parts and service only

## **signal/one**

Box 127 Franklin Lakes, NJ 07417  
Tel: (201) 891-0459



# What's NEW

Put together a wide variety of exciting new products and a dynamic young company on the move and you have DENTRON . . . dedicated to *Making Amateur Radio More Fun.*

## 160-10 AT



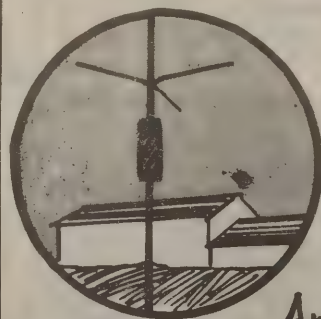
### SUPER TUNER

Here is another Dentron first, a six band antenna tuner designed to solve virtually any matching problem you may have.

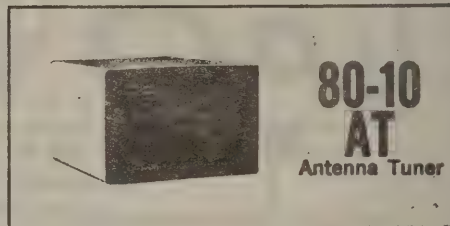
- Covers all bands 160 through 10 meters
- Handles maximum legal power
- Matches coax feed, random wire and balanced line
- Includes heavy duty balun for balanced line
- Black wrinkle finish cabinet.

160-10 Super Tuner ..... \$119.50 ppd. USA

Be ready for restructuring — Special Supertuner handles 3 KW PEP amplifiers —  
\$229.50 ppd. USA



160-V  
Vertical  
Antenna



## 80-10 AT

Antenna Tuner

This is the low cost way to match almost any random length wire on the five most used HF bands.

- Covers 80 through 10 meters
- Handles maximum legal power
- Matches random length long wire antennas
- Features Dentron quality and value

Model 80-10 Antenna Tuner \$49.50 ppd. USA

## The Brand New 160-V Vertical Antenna

Another eye opener from Dentron, this new vertical antenna will solve your 160, 80 and 40 meter problems.

- Efficient Vertical Design
- Self Supporting
- Weatherproof
- Quick & easy one man installation
- Covers 160, 80 or 40 meter band with one adjustment.

160-40V Antenna ..... \$79.50 ppd. USA

*Making  
Amateur Radio  
More Fun!*



# Dentron

RADIO CO., INC.  
27587 Edgepark Dr.  
North Olmsted, Ohio 44070  
Telephone (216) 734-7388

# THE DX'ERS MAGAZINE

DX HEARD AND WORKED RECENTLY

XXXXXXXXXXXXXXXXXXXXXXXXX - 14000 TO 14100 KC CW - XXXXXXXXXXXXXXXXXXXXXXXX

CALL SIGN	-FRQ	-GMT	-DATE	-BY WHO	-REMARKS
G2FPN	041	1441	3/28	W0EFK	-
OE5WYL	014	1445	3/28	"	-
PA0WAC	011	1446	3/28	"	-
KP4DRT	038	1821	3/28	"	-
OK30GA	045	1827	3/28	"	-
DL5FZ	001	1828	3/28	"	-
G3PNL	009	1829	3/28	"	-
DK4IN	022	1830	3/28	"	-
DK7BQ	045	1835	3/28	"	-
G3TET	063	1837	3/28	"	-
G3AZY	068	1850	3/28	"	-
EA8GP	068	1905	3/28	"	-
EA8CR	204	1940	3/28	"	- (this is SSB)
F6KEQ	019	2050	3/28	"	-
I5XIM	008	2055	3/28	"	-
UA9CAG	024	1324	3/30	W4BBP	-H - Nick -
UL7SJ	011	1327	3/30	"	-H -
UA1ZAY	011	1328	3/30	"	-H -
CE3BF	010	2344	3/30	"	-H -
PY1FB	023	0013	3/31	"	-H - Rod -
XE1DA	032	0017	3/31	"	-H -
ZS6ME	039	1255	3/31	"	-W - Eric -
SM0FBO	025	1333	3/31	"	-W - Bo -
8R1J	025	1335	3/31	"	-H -
UA0IBF	015	0100	4/2	"	-W - Herman -
UA0KAD	021	0130	4/2	"	-W - Valery -
UK0FAJ	020	0158	4/2	"	-H -
JA5GS	003	0207	4/2	"	-H -
UA0RS	025	0259	4/2	"	-H -
JA8BSF	039	0301	4/2	"	-H -
UK3RAA	015	1153	4/2	"	-H -
EA4OA	015	1200	4/2	"	-W - Julio -
HA8KZB	015	1208	4/2	"	-W - Bela -
ZS5DE	026	1323	4/2	"	-H -
UK9AAN	033	1328	4/2	"	-W - George -
DL8VV	028	1340	4/2	"	-W - Rolf -
HS3MJ	025	1355	4/2	"	-H -
UA9CAZ	017	1409	4/2	"	-
LA1K	017	1417	4/2	"	-W - Svein -
9M2FK	025	1616	4/2	"	-W -
VP2VL	019	1118	4/3	"	-H -
UA0UAR	021	1948	4/3	"	-H -
OH2BET	015	1957	4/3	"	-W - Keijo -
EI7CR	020	2215	4/3	"	-W - Mike -
EI9Q	020	2218	4/3	"	-W - Dick -
UL7JAA	027	0112	4/5	"	-W - Vic -
UL7VAK	027	0135	4/5	"	-H -
UA0SBC	027	0143	4/5	"	-W - Anatol -
UW0TG	027	0145	4/5	"	-W -
UL7WH	027	0200	4/5	"	-W - Vic -
UI8IK	027	0203	4/5	"	-W - Gennadij -
UA9YCJ	027	0230	4/5	"	-W - Nick -
UL7EAM	027	0237	4/5	"	-W - Serge -
UA0YT	027	0243	4/5	"	-W - Vlado -
UV9PS	027	0249	4/5	"	-W - Dima -
UA0ABB	027	0251	4/5	"	-W - Oleg -



# THE DX'ERS MAGAZINE

DX HEARD AND WORKED RECENTLY

XXXXXXXXXXXXXXXXXXXX - 14000 TO 14100 KC CW - XXXXXXXXXXXXXXXXXXXXXXXX

CALL SIGN	-FRQ	-GMT	-DATE	-BY WHO	- R E M A R K S
DJ0FF	015	1140	4/5	W4BBP	-
YB7AAU	023	1308	4/5	"	-
UW0AF	006	0200	4/6	"	-
UL7PBE	006	0207	4/6	"	-
F0AAA	002	1630	3/31	W0EFK	-
VP5AH	012	1700	3/31	"	-
DK6AS	011	1712	4/1	"	-
PY7MCC	003	0006	4/1	"	-
HC1CW	003	0006	4/2	"	-
PY5AHN	015	0007	4/2	"	-
F3NB	003	1623	4/2	"	-

XXXXXXXXXXXXXXXXXXXX - 14100 TO 14350 KC PHONE - XXXXXXXXXXXXXXXXXXXXXXXX

6W8FP	203	2120	4/3	W4KA	- H -
CT1MT	206	2126	4/3	"	- H -
CR6MX	213	2127	4/3	"	- H -
FG0GE	219	2129	4/3	"	- H -
VQ9R	320	1229	4/3	"	- H -
UK9CAE	231	1255	4/4	"	- H - short path -
OH2HN	230	1312	4/4	"	- H -
UV3CE	231	1331	4/4	"	- W - Box 88
SM2CEW	220	1336	4/4	"	- H -
OK6SFS	241	1528	4/4	"	- H -
OD5FB	226	1903	4/4	"	- H -
5L2FT	336	0016	4/5	"	- W - Qsl to WA3NGS
VP2DH	336	0015	4/5	"	- H -
DU1REX	217	1243	4/2	W3QLW	- H - Vince
DU2EL	226	1252	4/2	"	- H - Efren -
PA5GIG/A	233	1319	4/3	"	- W - Jan
YK1AA	247	1454	4/3	"	- H - Rashid
YB0ABV	237	1500	4/3	"	- H - qsl APO San Fran. 96256
IV0KFG	234	1530	4/3	"	- W - Gaby -
HA30KKN	244	1707	4/3	"	- W - Laci - spec. events
UF6DZ	204	1712	4/3	"	- H -
OK30KAG	211	1717	4/3	"	- W - Milan - spec. events
UB5TK	238	2037	4/3	"	- H -
IV0SSW	288	2044	4/3	"	- W - Alex -
6W8FP	203	2051	4/3	"	- H - Chuck - qsl WA3NCP
CT2BP	210	2105	4/3	"	- H -
TF3HP	230	2400	4/3	"	- H -
VE3CUD/SU	215	1244	4/4	"	- W - Eric in Ismalia -
UF6HV	230	1438	4/4	"	- H -
IV0WX	201	1702	4/4	"	- H -
9K2DH	244	1708	4/4	"	- H -
OK30KPU	215	2051	4/4	"	- W - Tom -
LX1PD	215	2056	4/4	"	- H -
TF3HP	201	1052	4/5	"	- H -
UR2AR	203	1448	4/5	"	- H -
PZ1AR	210	1126	4/6	"	- H -

DON'T FORGET TO STOP BY & SEE US AT OUR BOOTH IN DAYTON - GET YOUR "GOODIES" ENVELOPE FREE & ALSO A CHANCE TO SEE PEGGY'S LITTLE HAND MADE "YARN" DOGS. THESE DOGS WILL BE ON SALE - HOPE TO SEE EACH AND EVERYONE OF YOU AT DAYTON - WE WILL ALL HAVE A GOOD TIME AS WE ALWAYS DO WHENEVER WE VISIT THE DAYTON HAMVENTION !

=====

# THE DX'ERS MAGAZINE

## IT'S TIME TO SWITCH TO ALPHA



### IF YOU'RE STILL SETTTLING, WORRYING, FIDDLING, OR PUTTING UP

**SETTLING FOR LESS THAN MAXIMUM LEGAL POWER** — even when you really need it to bore through a pileup or hang onto a ragchew frequency? Every ALPHA linear, from the least expensive ALPHA 74K to "THE ULTIMATE" ALPHA 77D, easily handles a solid kilowatt of continuous average dc input ... in any mode including slow scan and teletype. (Most competitive tabletop amplifiers have power supplies capable of no more than 400 to 500 watts continuous average power. CHECK THE SPECS!)

**WORRYING THAT YOUR OLD LINEAR WON'T HANG TOGETHER** through a long, tough contest weekend ... or thirty minutes of "Key-down" time on SSTV? Every ALPHA is specifically designed for that kind of heavy service. That's why they have rugged Hipersil®/solid state power supplies, Eimac ceramic tubes, ducted-air circulatory cooling, and top quality throughout.

**FIDDLING WITH TUNING AND LOADING KNOBS** every time you change bands? With the exclusive "No-tune-up" ALPHA 374 you simply flip the bandswitch and start talking. Pretuned bandpass output filters do the tuneup for you ... instantly! And precision controls in the ALPHA 77D can easily be returned to any previous setting in a few seconds.

**PUTTING UP WITH AN OLD-STYLE CONSOLE THAT'S TOO BIG** and heavy to put where you really want it? Every ALPHA model is self-contained in a handsome, designer-styled desk-top cabinet that sits right at your fingertips without monopolizing operating space ... and can be handled by one man.

ALPHA linear amplifiers by ETO — an investment in performance, pleasure, and convenience. See your dealer or contact ETO direct for full details, top trades, and prompt delivery. ALPHA 74K, \$695; ALPHA 274, \$995; ALPHA 374, \$1295; THE ULTIMATE, ALPHA 77D, \$2695.



EHRHORN TECHNOLOGICAL OPERATIONS, INC.


BROOKSVILLE, FLORIDA 33512

(904) 596-3711



THE DX'ERS MAGAZINE

Thousands...



of Drake  
TR-3 and TR-4  
Sideband  
Transceivers  
are giving  
dependable  
service...

many of them  
since 1963!



And now  
the Drake

**TR-4C**

is already surpassing their record!

Now at your dealer's (no price increase)



**DRAKE**

®

**R. L. DRAKE COMPANY**

540 Richard St., Miamisburg, Ohio 45342  
Phone: (513) 866-2421 Telex: 288-017